

SEQUENCE LISTING

(1) GENERAL INFORMATION:

(i) APPLICANT:

(A) NAME: UNIVERSITE D'AUVERGNE
(B) STREET: 49 BOULEVARD FRANCOIS MITTERAND
(C) CITY: CLERMONT-FERRAND
(E) COUNTRY: FRANCE
(F) POSTAL CODE: 63000

(ii) TITLE OF THE INVENTION: NOVEL PEPTIDES AND
POLYPEPTIDES USEFUL FOR REGENERATING THE
NERVOUS SYSTEM

(iii) NUMBER OF SEQUENCES: 14

(iv) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0,
Version #1.30 (EPO)

(vi) DATA ON THE PREVIOUS APPLICATION:

(A) APPLICATION NUMBER: FR 9709016
(B) FILING DATE: 16-JUL-1997

(2) INFORMATION FOR SEQ ID NO: 1:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 8 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

REPLACEMENT PAGE (RULE 26)

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(ix) FEATURE:

- (A) NAME/KEY: specific feature
- (B) LOCATION: 3
- (D) OTHER INFORMATION: Xaa means amino acid sequences comprising from 1 to 5 amino acids.

(ix) FEATURE:

- (A) NAME/KEY: specific feature
- (B) LOCATION: 6
- (D) OTHER INFORMATION: Xaa means amino acid sequences comprising from 1 to 5 amino acids.

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

Trp Ser Xaa Cys Ser Xaa Cys Gly
1 5

(2) INFORMATION FOR SEQ ID NO: 2:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 9 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

Trp Ser Pro Cys Ser Val Thr Cys Gly
1 5

(2) INFORMATION FOR SEQ ID NO: 3:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 9 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

Trp Ser Ser Cys Ser Val Thr Cys Gly
1 5

(2) INFORMATION FOR SEQ ID NO: 4:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 9 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:

Trp Ser Gln Cys Ser Val Thr Cys Gly
1 5

(2) INFORMATION FOR SEQ ID NO: 5:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 8 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: specific feature
- (B) LOCATION: 3
- (D) OTHER INFORMATION: Xaa means Pro or X₁-W-X₂-X₃ where X₁, X₂ and X₃ are chosen from G, S and C.

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(ix) FEATURE:

- (A) NAME/KEY: specific feature
- (B) LOCATION: 6
- (D) OTHER INFORMATION: Xaa means amino acid sequences comprising from 1 to 5 amino acids.

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:

Trp Ser Xaa Cys Ser Xaa Cys Gly
1 5

(2) INFORMATION FOR SEQ ID NO: 6:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 8 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: specific feature
- (B) LOCATION: 3
- (D) OTHER INFORMATION: Xaa means X_1 -W-S- X_3 with X_1 and X_3 chosen from G, S and C

(ix) FEATURE:

- (A) NAME/KEY: specific feature
- (B) LOCATION: 6
- (D) OTHER INFORMATION: Xaa means amino acid sequences comprising from 1 to 5 amino acids.

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:

Trp Ser Xaa Cys Ser Xaa Cys Gly
1 5

(2) INFORMATION FOR SEQ ID NO: 7:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 11 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: specific feature
- (B) LOCATION: 3
- (D) OTHER INFORMATION: Xaa chosen from G,

S and C

(ix) FEATURE:

- (A) NAME/KEY: specific feature
- (B) LOCATION: 6
- (D) OTHER INFORMATION: Xaa chosen from G,

S and C

(ix) FEATURE:

- (A) NAME/KEY: specific feature
- (B) LOCATION: 9
- (D) OTHER INFORMATION: Xaa means amino

acid sequences comprising from 1 to 5 amino acids.

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:

Trp Ser Xaa Trp Ser Xaa Cys Ser Xaa Cys Gly
1 5 10

(2) INFORMATION FOR SEQ ID NO: 8:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 12 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single

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(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:

Trp Ser Gly Trp Ser Ser Cys Ser Arg Ser Cys Gly
1 5 10

(2) INFORMATION FOR SEQ ID NO: 9:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 10 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: specific feature
- (B) LOCATION: 1

(ix) FEATURE:

- (A) NAME/KEY: specific feature
- (B) LOCATION: 4
- (D) OTHER INFORMATION: Xaa means amino acid sequences comprising from 1 to 5 amino acids.

(ix) FEATURE:

- (A) NAME/KEY: specific feature
- (B) LOCATION: 7
- (D) OTHER INFORMATION: Xaa means amino acid sequences comprising from 1 to 5 amino acids.

(ix) FEATURE:

- (A) NAME/KEY: specific feature
- (B) LOCATION: 10

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(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:

Xaa Trp Ser Xaa Cys Ser Xaa Cys Gly Xaa
1 5 10

(2) INFORMATION FOR SEQ ID NO: 10:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 36 base pairs
- (B) TYPE: nucleotide
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:

TGCWSNGCNT GGWSNWSNTG YWSNMGNWSN TGYGGN

36

(2) INFORMATION FOR SEQ ID NO: 11:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 9 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:

Trp Gly Pro Cys Ser Val Ser Cys Gly
1 5

(2) INFORMATION FOR SEQ ID NO: 12:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 8 amino acids
- (B) TYPE: amino acid

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- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:

Asp Cys Lys Asp Gly Ser Asp Glu
1 5

(2) INFORMATION FOR SEQ ID NO: 13:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 4 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:

Arg Lys Ala Arg
1

(2) INFORMATION FOR SEQ ID NO: 14:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 12 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:

Ser Ser Cys Arg Ser Gly Cys Trp Gly Ser Ser Trp
1 5 10

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